

WHAT IS CLAIMED IS:

1. A solar sensor comprising:

a housing;

a pair of optical devices disposed in a right side and a left side on a top side of the housing, respectively, of an axis parallel to a direction of travel of a vehicle;

an optical lens that is disposed above the optical devices and guides incident light toward the optical devices; and

a lens member that is disposed between the optical devices and the optical lens,

wherein the lens member includes an another optical lens that guides the incident light to the optical devices

2. The solar sensor as in claim 1, wherein:

the optical lens is a concave lens;

the another optical lens is disposed in a space defined by the concave of the optical lens; and

a clearance between the concave and the another optical lens in the direction of travel of a vehicle is bigger than another clearance between the concave and the another optical lens in a horizontally vertical direction to the direction of travel of a vehicle.

3. The solar sensor as in claim 1, wherein:

the another optical lens comprises a projection disposed above the optical devices to face the optical lens.

4. The solar sensor as in claim 3, wherein:

the another optical lens has a solid structure.

5. The solar sensor as in claim 3, wherein:

the another optical lens has a hollow structure.

6. The solar sensor as in claim 3, wherein:

a surface of the lens member facing the optical lens is coated with a screen film except on area under the projection.

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